Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/06/2021 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124719	-1	2.88	124547	2.86
Blue	F	SSC	125000	123919	-1	4.54	124145	4.38
Blue	E	FITC	14400	13891	-4	3.34	319	15.61
Blue	D	PE	24713	24476	-1	2.89	559	10.78
Blue	B	PerCP-Cy5-5	31796	31131	-3	3.90	1028	14.56
Blue	A	PE-Cy7	21240	21213	-1	5.75	562	29.58
Red	C	APC	41319	40689	-2	3.52	1694	11.16
Red	A	APC-Cy7	21019	20497	-3	3.88	766	11.42
Violet	B	V450	7305	6869	-6	4.39	416	12.53
Violet	A	V500	28652	27500	-5	3.96	687	9.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23419	2.85	569	0	N/A	N/A	Pass
Blue	F	SSC	57389	3.35	521	9	N/A	N/A	Pass
Blue	E	FITC	58	52.95	494	3	0.0412	35	Pass
Blue	D	PE	117	37.07	492	5	0.4793	378	Pass
Blue	B	PerCP-Cy5-5	189	35.14	588	4	0.0203	40	Pass
Blue	A	PE-Cy7	112	68.57	636	6	0.0215	0	Pass
Red	C	APC	394	23.53	574	1	0.0314	253	Pass
Red	A	APC-Cy7	172	27.42	546	1	0.0071	1581	Pass
Violet	B	V450	58	58.79	455	-1	0.0555	1571	Pass
Violet	A	V500	98	31.77	470	0	0.0278	565	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.11	-31.96	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.86	15.99 - 23.99	N/A	N/A	30.39	30.57	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10515

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments